

Connecting via Winsock to STN

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LOGINID:SSSPTA1615LXC

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

| | | | |
|------|----|--------|--|
| NEWS | 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | MAR 31 | IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats |
| NEWS | 3 | MAR 31 | CAS REGISTRY enhanced with additional experimental spectra |
| NEWS | 4 | MAR 31 | CA/Caplus and CASREACT patent number format for U.S. applications updated |
| NEWS | 5 | MAR 31 | LPCI now available as a replacement to LDPCI |
| NEWS | 6 | MAR 31 | EMBASE, EMBAL, and LEMBASE reloaded with enhancements |
| NEWS | 7 | APR 04 | STN AnaVist, Version 1, to be discontinued |
| NEWS | 8 | APR 15 | WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats |
| NEWS | 9 | APR 28 | EMBASE Controlled Term thesaurus enhanced |
| NEWS | 10 | APR 28 | IMSRESEARCH reloaded with enhancements |
| NEWS | 11 | MAY 30 | INPAFAMDB now available on STN for patent family searching |
| NEWS | 12 | MAY 30 | DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option |
| NEWS | 13 | JUN 06 | EPFULL enhanced with 260,000 English abstracts |
| NEWS | 14 | JUN 06 | KOREAPAT updated with 41,000 documents |
| NEWS | 15 | JUN 13 | USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications |
| NEWS | 16 | JUN 19 | CAS REGISTRY includes selected substances from web-based collections |
| NEWS | 17 | JUN 25 | CA/Caplus and USPAT databases updated with IPC reclassification data |
| NEWS | 18 | JUN 30 | AEROSPACE enhanced with more than 1 million U.S. patent records |
| NEWS | 19 | JUN 30 | EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations |
| NEWS | 20 | JUN 30 | STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in |
| NEWS | 21 | JUN 30 | STN AnaVist enhanced with database content from EPFULL |
| NEWS | 22 | JUL 28 | CA/Caplus patent coverage enhanced |
| NEWS | 23 | JUL 28 | EPFULL enhanced with additional legal status information from the epoline Register |
| NEWS | 24 | JUL 28 | IFICDB, IFIPAT, and IFIUDB reloaded with enhancements |
| NEWS | 25 | JUL 28 | STN Viewer performance improved |
| NEWS | 26 | AUG 01 | INPADOCDB and INPAFAMDB coverage enhanced |

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:47:27 ON 12 AUG 2008

| | | |
|----------------------|------------|---------|
| => file reg | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 17:47:34 ON 12 AUG 2008
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STRUCTURE FILE UPDATES: 11 AUG 2008 HIGHEST RN 1040235-14-0
DICTIONARY FILE UPDATES: 11 AUG 2008 HIGHEST RN 1040235-14-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>
Uploading C:\Program Files\STNEXP\Queries\cyclic carbonate.str



chain nodes :
7
ring nodes :
1 2 3 4 5 6
chain bonds :

6-7
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 6-7

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS

L1 STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 17:48:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 31 TO ITERATE

100.0% PROCESSED 31 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 286 TO 954
PROJECTED ANSWERS: 3 TO 163

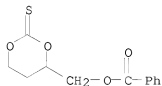
L2 3 SEA SSS SAM L1

=> d l2

L2 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN
RN 501353-48-6 REGISTRY
ED Entered STN: 02 Apr 2003
CN 1,3-Dioxane-2-thione, 4-[(benzoyloxy)methyl]-, homopolymer (9CI) (CA
INDEX NAME)
MF (C12 H12 O4 S)x
CI PMS
PCT Polycarbonate, Polycarbonate formed
SR CA
LC STN Files: CA, CAPLUS

CM 1

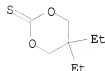
CRN 501353-45-3
CMF C12 H12 O4 S



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d l2 2-3

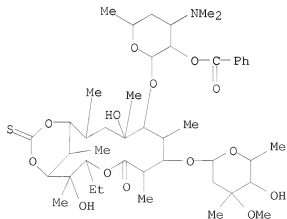
L2 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 119543-65-6 REGISTRY
 ED Entered STN: 10 Mar 1989
 CN 1,3-Dioxane-2-thione, 5,5-diethyl- (CA INDEX NAME)
 OTHER NAMES:
 CN 5,5-Diethyl-1,3-dioxan-2-thione
 MF C8 H14 O2 S
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
 6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 110191-25-8 REGISTRY
 ED Entered STN: 05 Sep 1987
 CN 4,14,16-Trioxabicyclo[11.3.1]heptadecan-5-one, 9-[(2-O-benzoyl-3,4,6-trideoxy-3-(dimethylamino)-.beta.-D-xylo-hexopyranosyl)oxy]-7-[(2,6-dideoxy-3-C-methyl-3-O-methyl-.alpha.-L-ribo-hexopyranosyl)oxy]-3-ethyl-2,10-dihydroxy-2,6,8,10,12,17-hexamethyl-15-thioxo-, (1R,2R,3R,6R,7S,8S,9R,10R,12R,13S,17S)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Erythromycin, 9,11-[(carbonothioyl)bis(oxy)]-9-deoxy-11-deoxy-, 2'-benzoate, (9S)-
 MF C45 H71 N O14 S
 SR CA
 LC STN Files: BEILSTEIN*, CA, CAPLUS
 (*File contains numerically searchable property data)



You may have tried to apply a field code to a term that already has a field code. You can only add a field code to a term that has no field code appended to it.

=> d 15 1- ibib

YOU HAVE REQUESTED DATA FROM 6 ANSWERS - CONTINUE? Y/(N):y

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:547103 CAPLUS

DOCUMENT NUMBER: 149:54700

TITLE: Tetraoxaspiroalkanes for polymerization stress reduction of Silorane resins

AUTHOR(S): Chappelow, Cecil C.; Pinzino, Charles S.; Chen, Shin-Shi; Kotha, Shiva P.; Glaros, Alan G.; Eick, J. David

CORPORATE SOURCE: Midwest Research Institute, Kansas City, MO, 64110, USA

SOURCE: Journal of Applied Polymer Science (2008), 108(6), 3738-3747

CODEN: JAPNAB; ISSN: 0021-8995

PUBLISHER: John Wiley & Sons, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:356773 CAPLUS

DOCUMENT NUMBER: 146:359664

TITLE: Tetraoxaspirodecanes and methods of use with organosilicon monomers in photopolymerizable compositions

INVENTOR(S): Chappelow, Cecil C.; Pinzino, Charles S.; Chen, Shin-Shi; Eick, J. David

PATENT ASSIGNEE(S): Curators of the University of Missouri, USA; Midwest Research Institute

SOURCE: U.S. Pat. Appl. Publ., 21pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|-------------------|----------|-----------------|------------|
| US 20070072954 | A1 | 20070329 | US 2006-540031 | 20060929 |
| PRIORITY APPLN. INFO.: | | | US 2005-721806P | P 20050929 |
| OTHER SOURCE(S): | MARPAT 146:359664 | | | |

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:275464 CAPLUS

DOCUMENT NUMBER: 135:92889

TITLE: A semiempirical quantum mechanical study of the cationic homopolymerization of expanding and potentially expanding monomer systems

AUTHOR(S): Holder, A. J.; White, D. A.; Harris, C. D.; Eick, J. D.; Chappelow, C. C.

CORPORATE SOURCE: Department of Chemistry, University of Missouri-Kansas City, Kansas City, MO, 64110, USA

SOURCE: THEOCHEM (2001), 541, 159-169

CODEN: THEODJ; ISSN: 0166-1280

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:493582 CAPLUS
 DOCUMENT NUMBER: 133:121126
 TITLE: Photopolymerizable vinyl ether based monomeric formulations and polymerizable compositions which may include spiroorthocarbonates
 INVENTOR(S): Chappelow, Cecil C.; Pinzino, Charles S.; Eick, J. David; Oxman, Joel D.
 PATENT ASSIGNEE(S): The Curators of the University of Missouri, USA; 3M Innovative Properties Company
 SOURCE: PCT Int. Appl., 106 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|---|-------------------|----------|
| WO 2000042080 | A1 | 20000720 | WO 1999-US20002 | 19990901 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 20020013380 | A1 | 20020131 | US 1999-232500 | 19990115 |
| US 6458865 | B2 | 20021001 | | |
| CA 2355326 | A1 | 20000720 | CA 1999-2355326 | 19990901 |
| AU 9961333 | A | 20000801 | AU 1999-61333 | 19990901 |
| EP 1165627 | A1 | 20020102 | EP 1999-948092 | 19990901 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| JP 2002534568 | T | 20021015 | JP 2000-593646 | 19990901 |
| US 20030119931 | A1 | 20030626 | US 2002-234551 | 20020904 |
| US 6653486 | B2 | 20031125 | | |
| PRIORITY APPLN. INFO.: | | | US 1999-232500 A | 19990115 |
| | | | WO 1999-US20002 W | 19990901 |
| REFERENCE COUNT: | 18 | THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1991:234996 CAPLUS
 DOCUMENT NUMBER: 114:234996
 ORIGINAL REFERENCE NO.: 114:39527a,39530a
 TITLE: Evaluation of spiro orthocarbonate monomers capable of polymerization with expansion as ingredients in dental composite materials
 AUTHOR(S): Stansbury, J. W.; Bailey, W. J.
 CORPORATE SOURCE: Natl. Inst. Stand. Technol., Gaithersburg, MD, 20899, USA
 SOURCE: Prog. Biomed. Polym., [Proc. Am. Chem. Soc. Symp.] (1990), Meeting Date 1988, 133-9. Editor(s): Gebelein, Charles G.; Dunn, Richard L. Plenum: New York, N. Y.

DOCUMENT TYPE: CODEN: 57BPAS
Conference
LANGUAGE: English

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1989:115734 CAPLUS
DOCUMENT NUMBER: 110:115734
ORIGINAL REFERENCE NO.: 110:19104h,19105a
TITLE: Evaluation of spiro orthocarbonate monomers capable of
polymerization with expansion as ingredients in dental
composite materials
AUTHOR(S): Stansbury, J. W.; Bailey, W. J.
CORPORATE SOURCE: Natl. Bur. Stand., Gaithersburg, MD, 20899, USA
SOURCE: Polymeric Materials Science and Engineering (1988),
59, 402-6
CODEN: PMSEDG; ISSN: 0743-0515
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d his full

(FILE 'HOME' ENTERED AT 17:47:27 ON 12 AUG 2008)

FILE 'REGISTRY' ENTERED AT 17:47:34 ON 12 AUG 2008
L1 STRUCTURE UPLOADED
L2 3 SEA SSS SAM L1
D L2
D L2 2-3
L3 0 SEA ABB=ON PLU=ON FILCE CAPLUS

FILE 'CAPLUS' ENTERED AT 17:48:45 ON 12 AUG 2008
S 119543-65-6/REG# /RN

FILE 'REGISTRY' ENTERED AT 17:49:35 ON 12 AUG 2008
L4 1 SEA ABB=ON PLU=ON 119543-65-6/RN

FILE 'CAPLUS' ENTERED AT 17:49:35 ON 12 AUG 2008
L5 6 SEA ABB=ON PLU=ON L4
D L5 1- IBIB

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 11 AUG 2008 HIGHEST RN 1040235-14-0
DICTIONARY FILE UPDATES: 11 AUG 2008 HIGHEST RN 1040235-14-0

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REGISTRY includes numerically searchable data for experimental and
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<http://www.cas.org/support/stngen/stdoc/properties.html>

FILE CAPLUS

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FILE COVERS 1907 - 12 Aug 2008 VOL 149 ISS 7

FILE LAST UPDATED: 11 Aug 2008 (20080811/ED)

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Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

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=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

8.22

26.59

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 17:50:41 ON 12 AUG 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSSPTA1615LXC

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'CAPLUS' AT 17:53:29 ON 12 AUG 2008

FILE 'CAPLUS' ENTERED AT 17:53:29 ON 12 AUG 2008

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

8.22

26.59

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

8.70

27.07

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FILE COVERS 1907 - 12 Aug 2008 VOL 149 ISS 7

FILE LAST UPDATED: 11 Aug 2008 (20080811/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s cyclic carbonate

340973 CYCLIC

355 CYCLICS

341113 CYCLIC

(CYCLIC OR CYCLICS)

331030 CARBONATE

72017 CARBONATES

366152 CARBONATE

(CARBONATE OR CARBONATES)

L6 2999 CYCLIC CARBONATE

(CYCLIC(W)CARBONATE)

=> s l6 (p) (skin or hair or nail or topical or dermatological or cuticle or eye makeup or eyelashes or mascara or lipstick) (p) composition

284608 SKIN

11190 SKINS

290875 SKIN

(SKIN OR SKINS)

70086 HAIR

5681 HAIRS

72642 HAIR

(HAIR OR HAIRS)

8323 NAIL

3464 NAILS

10054 NAIL

(NAIL OR NAILS)

51324 TOPICAL

41 TOPICALS

51343 TOPICAL

(TOPICAL OR TOPICALS)

2847 DERMATOLOGICAL

13 DERMATOLOGICALS

2858 DERMATOLOGICAL

(DERMATOLOGICAL OR DERMATOLOGICALS)

6786 DERMATOL

8231 DERMATOLOGICAL

(DERMATOLOGICAL OR DERMATOL)

9024 CUTICLE

1291 CUTICLES

9399 CUTICLE
 (CUTICLE OR CUTICLES)
 129926 EYE
 28209 EYES
 140588 EYE
 (EYE OR EYES)
 6768 MAKEUP
 2439 MAKEUPS
 7920 MAKEUP
 (MAKEUP OR MAKEUPS)
 229 EYE MAKEUP
 (EYE(W)MAKEUP)
 316 EYELASHES
 636 MASCARA
 1319 MASCARAS
 1468 MASCARA
 (MASCARA OR MASCARAS)
 1709 LIPSTICK
 3122 LIPSTICKS
 3628 LIPSTICK
 (LIPSTICK OR LIPSTICKS)
 734462 COMPOSITION
 334735 COMPOSITIONS
 1061510 COMPOSITION
 (COMPOSITION OR COMPOSITIONS)
 1550283 COMPN
 625821 COMPNS
 1898859 COMPN
 (COMPN OR COMPNS)
 2388383 COMPOSITION
 (COMPOSITION OR COMPN)
 L7 7 L6 (P) (SKIN OR HAIR OR NAIL OR TOPICAL OR DERMATOLOGICAL OR
 CUTICLE OR EYE MAKEUP OR EYELASHES OR MASCARA OR LIPSTICK) (P)
 COMPOSITION

=> d l7 ibib 1-
 YOU HAVE REQUESTED DATA FROM 7 ANSWERS - CONTINUE? Y/(N):y

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:964798 CAPLUS
 DOCUMENT NUMBER: 141:415669
 TITLE: Nail polish remover comprising heterocyclic solvent
 having a carbonyl moiety
 INVENTOR(S): Fujii, Gary
 PATENT ASSIGNEE(S): Biocerax, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 13 pp., Cont.-in-part of U.S.
 Ser. No. 394,405.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|--|-----------------|-------------|
| US 20040224861 | A1 | 20041111 | US 2004-804834 | 20040319 |
| US 7074746 | B2 | 20060711 | | |
| US 20040186029 | A1 | 20040923 | US 2003-394405 | 20030319 |
| PRIORITY APPLN. INFO.: | | | US 2003-394405 | A2 20030319 |
| REFERENCE COUNT: | 21 | THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:428792 CAPLUS

DOCUMENT NUMBER: 140:411993

TITLE: Cosmetic composition comprising at least one specific cyclic carbonate

INVENTOR(S): Brun, Gaeelle; Rollat-Corvol, Isabelle

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 2004043330 | A2 | 20040527 | WO 2003-FR3285 | 20031104 |
| WO 2004043330 | A3 | 20041021 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| FR 2846879 | A1 | 20040514 | FR 2002-13938 | 20021107 |
| AU 2003292331 | A1 | 20040603 | AU 2003-292331 | 20031104 |
| EP 1562538 | A2 | 20050817 | EP 2003-767897 | 20031104 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | |
| JP 2006518330 | T | 20060810 | JP 2004-550734 | 20031104 |
| PRIORITY APPLN. INFO.: | | | FR 2002-13938 | A 20021107 |
| | | | US 2002-434654P | P 20021220 |
| | | | WO 2003-FR3285 | W 20031104 |

OTHER SOURCE(S): MARPAT 140:411993

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:390943 CAPLUS

DOCUMENT NUMBER: 140:380256

TITLE: Cosmetic composition containing at least a particular cyclic carbonate

INVENTOR(S): Brun, Gaeelle; Rollat Corvol, Isabelle

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Fr. Demande, 57 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|---|----------|-----------------|----------|
| FR 2846879 | A1 | 20040514 | FR 2002-13938 | 20021107 |
| WO 2004043330 | A2 | 20040527 | WO 2003-FR3285 | 20031104 |
| WO 2004043330 | A3 | 20041021 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, | | | |

NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
 TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KR, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003292331 A1 20040603 AU 2003-292331 20031104
 EP 1562538 A2 20050817 EP 2003-767897 20031104
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 JP 2006518330 T 20060810 JP 2004-550734 20031104
 US 20040156800 A1 20040812 US 2003-702441 20031107
 PRIORITY APPLN. INFO.: FR 2002-13938 A 20021107
 US 2002-434654P P 20021220
 WO 2003-FR3285 W 20031104

OTHER SOURCE(S): MARPAT 140:380256
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS ON SIN
 ACCESSION NUMBER: 2001:326226 CAPLUS
 DOCUMENT NUMBER: 134:344336
 TITLE: Hair dye compositions containing direct dyes, solvents
 to promote penetration, and perfume compounds
 INVENTOR(S): Miyabe, Hajime; Inoue, Michiaki
 PATENT ASSIGNEE(S): Kao Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|-------------------|-----------------|----------|
| JP 2001122744 | A | 20010508 | JP 1999-307326 | 19991028 |
| PRIORITY APPLN. INFO.: | | | JP 1999-307326 | 19991028 |
| OTHER SOURCE(S): | | MARPAT 134:344336 | | |

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS ON SIN
 ACCESSION NUMBER: 2000:315003 CAPLUS
 DOCUMENT NUMBER: 132:339029
 TITLE: Hair and skin conditioners
 INVENTOR(S): Kahre, Joerg; Boyxen, Norbert; Prat Queralt, Esther;
 Blasquez Fernandez, Jose
 PATENT ASSIGNEE(S): Cognis Deutschland G.m.B.H., Germany
 SOURCE: Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| DE 19851451 | A1 | 20000511 | DE 1998-19851451 | 19981109 |
| WO 2000027343 | A2 | 20000518 | WO 1999-EP8287 | 19991030 |
| WO 2000027343 | A3 | 20001116 | | |
| W: JP, US | | | | |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| PRIORITY APPLN. INFO.: | | | DE 1998-19851451 | A 19981109 |

OTHER SOURCE(S): MARPAT 132:339029
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1999:549118 CAPLUS
 DOCUMENT NUMBER: 131:181124
 TITLE: Aqueous formulations for combating parasitic insects
 and acarina on humans
 INVENTOR(S): Sirinyan, Kirkor; Horn, Karin; Stocker, Ronald Helmut;
 Sonneck, Rainer
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 45 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 9941987 | A1 | 19990826 | WO 1999-EP878 | 19990210 |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| DE 19807630 | A1 | 19990826 | DE 1998-19807630 | 19980223 |
| CA 2321206 | A1 | 19990826 | CA 1999-2321206 | 19990210 |
| AU 9925230 | A | 19990906 | AU 1999-25230 | 19990210 |
| AU 739980 | B2 | 20011025 | | |
| BR 9908197 | A | 20001024 | BR 1999-8197 | 19990210 |
| TR 200002441 | T2 | 20001121 | TR 2000-2441 | 19990210 |
| EP 1056342 | A1 | 20001206 | EP 1999-904877 | 19990210 |
| EP 1056342 | B1 | 20030820 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | | |
| HU 2001000959 | A2 | 20010828 | HU 2001-959 | 19990210 |
| JP 2002503682 | T | 20020205 | JP 2000-532014 | 19990210 |
| AT 247384 | T | 20030915 | AT 1999-904877 | 19990210 |
| PT 1056342 | T | 20031231 | PT 1999-904877 | 19990210 |
| ES 2205770 | T3 | 20040501 | ES 1999-904877 | 19990210 |
| ZA 9901384 | A | 19990823 | ZA 1999-1384 | 19990222 |
| IN 2000MN00226 | A | 20050715 | IN 2000-MN226 | 20000727 |
| US 6369054 | B1 | 20020409 | US 2000-601572 | 20000803 |
| MX 2000PA08052 | A | 20010405 | MX 2000-PA8052 | 20000817 |
| HK 1035993 | A1 | 20070914 | HK 2001-107011 | 20011005 |
| PRIORITY APPLN. INFO.: | | | DE 1998-19807630 | A 19980223 |
| | | | WO 1999-EP878 | W 19990210 |

OTHER SOURCE(S): MARPAT 131:181124
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1999:549117 CAPLUS
 DOCUMENT NUMBER: 131:166526
 TITLE: Aqueous formulations of animal ectoparasiticides
 INVENTOR(S): Sirinyan, Kirkor; Dorn, Hubert; Heukamp, Ulrich
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|--|--|------------------|-------------|
| WO 9941986 | A1 | 19990826 | WO 1999-EP875 | 19990210 |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW | | | | |
| RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| DE 19807633 | A1 | 19990826 | DE 1998-19807633 | 19980223 |
| CA 2321209 | A1 | 19990826 | CA 1999-2321209 | 19990210 |
| AU 9926230 | A | 19990906 | AU 1999-26230 | 19990210 |
| AU 750954 | B2 | 20020801 | | |
| BR 9908173 | A | 20001031 | BR 1999-8173 | 19990210 |
| EP 1056343 | A1 | 20001206 | EP 1999-906223 | 19990210 |
| EP 1056343 | B1 | 20041013 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI, LT, LV, FI, RO | | | | |
| TR 200002443 | T2 | 20001221 | TR 2000-2443 | 19990210 |
| HU 2001000790 | A2 | 20010828 | HU 2001-790 | 19990210 |
| JP 2002503681 | T | 20020205 | JP 2000-532013 | 19990210 |
| EE 200000485 | A | 20020215 | EE 2000-485 | 19990210 |
| NZ 506460 | A | 20030131 | NZ 1999-506460 | 19990210 |
| TW 581660 | B | 20040401 | TW 1999-88102018 | 19990210 |
| RU 2232505 | C2 | 20040720 | RU 2000-124395 | 19990210 |
| AT 279114 | T | 20041015 | AT 1999-906223 | 19990210 |
| PT 1056343 | T | 20050131 | PT 1999-906223 | 19990210 |
| ES 2230835 | T3 | 20050501 | ES 1999-906223 | 19990210 |
| ZA 9901385 | A | 19990823 | ZA 1999-1385 | 19990222 |
| BG 104690 | A | 20011031 | BG 2000-104690 | 20000815 |
| BG 64814 | B1 | 20060531 | | |
| MX 2000PA08051 | A | 20010405 | MX 2000-PA8051 | 20000817 |
| NO 2000004188 | A | 20001023 | NO 2000-4188 | 20000822 |
| NO 324076 | B1 | 20070806 | | |
| US 20030162773 | A1 | 20030828 | US 2003-347003 | 20030117 |
| US 7384938 | B2 | 20080610 | | |
| PRIORITY APPLN. INFO.: | | | DE 1998-19807633 | A 19980223 |
| | | | WO 1999-EP875 | W 19990210 |
| | | | US 2000-622660 | B1 20000821 |
| OTHER SOURCE(S): | MARPAT 131:166526 | | | |
| REFERENCE COUNT: | 4 | THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |
| => d 17 ibib kwic 4 | | | | |
| L7 ANSWER 4 OF 7 | CAPLUS | COPYRIGHT 2008 ACS on SIN | | |
| ACCESSION NUMBER: | 2001:326226 | CAPLUS | | |
| DOCUMENT NUMBER: | 134:344336 | | | |
| TITLE: | Hair dye compositions containing direct dyes, solvents to promote penetration, and perfume compounds | | | |
| INVENTOR(S): | Miyabe, Hajime; Inoue, Michiaki | | | |
| PATENT ASSIGNEE(S): | Kao Corp., Japan | | | |

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| JP 2001122744 | A | 20010508 | JP 1999-307326 | 19991028 |
| PRIORITY APPLN. INFO.: | | | JP 1999-307326 | 19991028 |

OTHER SOURCE(S): MARPAT 134:344336

AB Hair dye compns., which can impart long-lasting well-balanced fragrance to hair, contain (A) direct dyes, (B) .gtoreq.1 selected from 4-R1C6H4R2(OCH2CHR3)aoH (R1 = H, Me, OMe; R2 = direct bond, CH2, CH2CH2; . . . = H, Cl-4 linear or branched alkyl; b = 1-3), 2-pyrrolidinones I (R7 = Cl-18 linear or branched alkyl), and cyclic carbonates II (R8 = H, Me, Et), and (C) .gtoreq.1 perfume compd. selected from arom. or unsatd. nonarom. terpenic hydrocarbons, alcs., ethers, aldehydes, ketones, and esters having vapor pressure .gtoreq.0.06 Pa at 25.degree.. A hair dye contg. PhCH2OH 10, Japan Black 401 0.5, Japan orange 205 0.6, a fragrance mixt. (limonene 250, AcOCH2Ph 130, phenylethyl. . . . EtOH 15, polyether-modified silicones 1, xanthan gum 1, lactic acid 4, NaOH 0.2,%, and H2O balance was applied to gray hair at 25.degree. for 15 min and rinsed. The fragrance of the hair was well-balanced and continued.

=> d 17 ibib kwic 5

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:315003 CAPLUS
 DOCUMENT NUMBER: 132:339029
 TITLE: Hair and skin conditioners
 INVENTOR(S): Kahre, Joerg; Boyxen, Norbert; Prat Queral, Esther; Blasquez Fernandez, Jose
 PATENT ASSIGNEE(S): Cognis Deutschland G.m.b.H., Germany
 SOURCE: Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|------------------|----------|
| DE 19851451 | A1 | 20000511 | DE 1998-19851451 | 19981109 |
| WO 2000027343 | A2 | 20000518 | WO 1999-EP8287 | 19991030 |
| WO 2000027343 | A3 | 20001116 | | |

W: JP, US

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

PRIORITY APPLN. INFO.: DE 1998-19851451 A 19981109

OTHER SOURCE(S): MARPAT 132:339029

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Hair and skin conditioners contg. esterquats and partial glycerides, which sometimes leave the hair or skin feeling rough or dry, are modified by addn. of alc. ethoxylates, alkyl and/or alkenyl oligoglycosides, and/or polyol poly-12-hydroxystearates, and optionally by further addn. of fatty alcs.

and/or cyclic carbonates, to improve the sensorial properties of the hair or skin. The resulting compns. are water-free, stable during storage, and have a low viscosity as concs. and are self-emulsifying on addn. to aq. phases.. .

=> d his

(FILE 'HOME' ENTERED AT 17:47:27 ON 12 AUG 2008)

FILE 'REGISTRY' ENTERED AT 17:47:34 ON 12 AUG 2008

L1 STRUCTURE UPLOADED

L2 3 S L1

L3 0 FILCE CAPLUS

FILE 'CAPLUS' ENTERED AT 17:48:45 ON 12 AUG 2008

S 119543-65-6/REG# /RN

FILE 'REGISTRY' ENTERED AT 17:49:35 ON 12 AUG 2008

L4 1 S 119543-65-6/RN

FILE 'CAPLUS' ENTERED AT 17:49:35 ON 12 AUG 2008

L5 6 S L4

FILE 'CAPLUS' ENTERED AT 17:53:50 ON 12 AUG 2008

L6 2999 S CYCLIC CARBONATE

L7 7 S L6 (P) (SKIN OR HAIR OR NAIL OR TOPICAL OR DERMATOLOGICAL OR

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

49.25

76.32

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.60

-1.60

FILE 'REGISTRY' ENTERED AT 18:00:35 ON 12 AUG 2008

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STRUCTURE FILE UPDATES: 11 AUG 2008 HIGHEST RN 1040235-14-0

DICTIONARY FILE UPDATES: 11 AUG 2008 HIGHEST RN 1040235-14-0

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

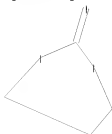
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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

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Uploading C:\Program Files\STNEXP\Queries\cyclic carbonate 2.str



chain nodes :
7
ring nodes :
1 2 3 4 5 6
chain bonds :
6-7
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 6-7

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS

L8 STRUCTURE UPLOADED

=> s l8

SAMPLE SEARCH INITIATED 18:00:47 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 617 TO ITERATE

100.0% PROCESSED 617 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 10850 TO 13830
PROJECTED ANSWERS: 1674 TO 2966

L9 50 SEA SSS SAM L8

=> file caplus

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|--|------------------|---------------|
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| FULL ESTIMATED COST | 0.46 | 76.78 |
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| CA SUBSCRIBER PRICE | 0.00 | -1.60 |

FILE 'CAPLUS' ENTERED AT 18:01:01 ON 12 AUG 2008
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FILE COVERS 1907 - 12 Aug 2008 VOL 149 ISS 7

FILE LAST UPDATED: 11 Aug 2008 (20080811/ED)

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<http://www.cas.org/legal/infopolicy.html>

=> s 19 (p) (skin or hair or nail or topical or dermatological or cuticle or eye makeup or eyelashes or mascara or lipstick) (p) composition

65 L9
284608 SKIN
11190 SKINS
290875 SKIN
 (SKIN OR SKINS)
70086 HAIR
5681 HAIRS
72642 HAIR
 (HAIR OR HAIRS)
8323 NAIL
3464 NAILS
10054 NAIL
 (NAIL OR NAILS)
51324 TOPICAL
41 TOPICALS
51343 TOPICAL
 (TOPICAL OR TOPICALS)
2847 DERMATOLOGICAL
13 DERMATOLOGICALS
2858 DERMATOLOGICAL
 (DERMATOLOGICAL OR DERMATOLOGICALS)
6786 DERMATOL
8231 DERMATOLOGICAL
 (DERMATOLOGICAL OR DERMATOL)
9024 CUTICLE
1291 CUTICLES
9399 CUTICLE
 (CUTICLE OR CUTICLES)
129926 EYE
28209 EYES
140588 EYE
 (EYE OR EYES)
6768 MAKEUP
2439 MAKEUPS
7920 MAKEUP
 (MAKEUP OR MAKEUPS)
229 EYE MAKEUP

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        (EYE(W)MAKEUP)
    316 EYELASHES
    636 MASCARA
    1319 MASCARAS
    1468 MASCARA
        (MASCARA OR MASCARAS)
    1709 LIPSTICK
    3122 LIPSTICKS
    3628 LIPSTICK
        (LIPSTICK OR LIPSTICKS)
    734462 COMPOSITION
    334735 COMPOSITIONS
    1061510 COMPOSITION
        (COMPOSITION OR COMPOSITIONS)
    1550283 COMPN
    625821 COMPNS
    1898859 COMPN
        (COMPN OR COMPNS)
    2388383 COMPOSITION
        (COMPOSITION OR COMPN)
L10      0 L9 (P) (SKIN OR HAIR OR NAIL OR TOPICAL OR DERMATOLOGICAL OR
        CUTICLE OR EYE MAKEUP OR EYELASHES OR MASCARA OR LIPSTICK) (P)
        COMPOSITION

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        (FILE 'HOME' ENTERED AT 17:47:27 ON 12 AUG 2008)

    FILE 'REGISTRY' ENTERED AT 17:47:34 ON 12 AUG 2008
L1      STRUCTURE UPLOADED
L2      3 S L1
L3      0 FILCE CAPLUS

    FILE 'CAPLUS' ENTERED AT 17:48:45 ON 12 AUG 2008
        S 119543-65-6/REG# /RN

    FILE 'REGISTRY' ENTERED AT 17:49:35 ON 12 AUG 2008
L4      1 S 119543-65-6/RN

    FILE 'CAPLUS' ENTERED AT 17:49:35 ON 12 AUG 2008
L5      6 S L4

    FILE 'CAPLUS' ENTERED AT 17:53:50 ON 12 AUG 2008
L6      2999 S CYCLIC CARBONATE
L7      7 S L6 (P) (SKIN OR HAIR OR NAIL OR TOPICAL OR DERMATOLOGICAL OR

    FILE 'REGISTRY' ENTERED AT 18:00:35 ON 12 AUG 2008
L8      STRUCTURE UPLOADED
L9      50 S L8

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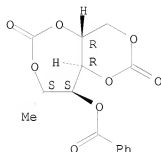
L9      ANSWER 1 OF 50  REGISTRY  COPYRIGHT 2008 ACS on STN
RN      1035959-42-2  REGISTRY
ED      Entered STN:   25 Jul 2008

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CN INDEX NAME NOT YET ASSIGNED
FS STEREOSEARCH
MF C15 H14 O8
SR Other Sources

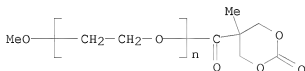
Database: NIST Mass Spectral Library (National Institute of Standards and Technology)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 ANSWER 2 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN
RN 960279-42-9 REGISTRY
ED Entered STN: 09 Jan 2008
CN Poly(oxy-1,2-ethanediyl), .alpha.-[(5-methyl-2-oxo-1,3-dioxan-5-yl)carbonyl]-.omega.-methoxy- (CA INDEX NAME)
MF (C2 H4 O)n C7 H10 O5
CI PMS, COM
PCT Polyether
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 3 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN
RN 959476-65-4 REGISTRY
ED Entered STN: 26 Dec 2007
CN 2-Oxepanone, polymer with 5-(phenylmethoxy)-1,3-dioxan-2-one, tetradecanoate (CA INDEX NAME)
MF C14 H28 O2 . x (C11 H12 O4 . C6 H10 O2)x
PCT Polycarbonate, Polycarbonate formed, Polyester, Polyester formed
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 544-63-8
CMF C14 H28 O2

HO₂C- (CH₂)₁₂-Me

CM 2

CRN 951755-34-3

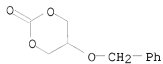
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CCI PMS

CM 3

CRN 86629-66-5

CMF C11 H12 O4



CM 4

CRN 502-44-3

CMF C6 H10 O2



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 4 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN

RN 955124-98-8 REGISTRY

ED Entered STN: 20 Nov 2007

CN 1,3-Dioxan-2-one, radical ion(1-) (CA INDEX NAME)

MF C4 H6 O3

CI RIS

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 5 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN

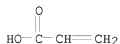
RN 952417-66-2 REGISTRY

ED Entered STN: 05 Nov 2007
CN 1,3-Dioxan-2-one, polymer with oxirane, di-2-propenoate, diblock (CA
INDEX NAME)
MF (C4 H6 O3 . C2 H4 O)x . 2 C3 H4 O2
PCT Polycarbonate, Polycarbonate formed, Polyether, Polyether formed
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1

CRN 79-10-7
CMF C3 H4 O2



CM 2

CRN 870291-19-3
CMF (C4 H6 O3 . C2 H4 O)x
CCI PMS

CM 3

CRN 2453-03-4
CMF C4 H6 O3



CM 4

CRN 75-21-8
CMF C2 H4 O



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 6 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN
RN 952109-56-7 REGISTRY
ED Entered STN: 31 Oct 2007
CN 1,4-Dioxane-2,5-dione, 3,6-dimethyl-, (3S,6S)-, polymer with
1,3-dioxan-2-one and oxirane, block (CA INDEX NAME)
FS STEREOSEARCH
MF (C6 H8 O4 . C4 H6 O3 . C2 H4 O)x
CI PMS

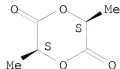
PCT Polycarbonate, Polycarbonate formed, Polyester, Polyester formed,
Polyether, Polyether formed
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 4511-42-6

CMF C6 H8 O4

Absolute stereochemistry.



CM 2

CRN 2453-03-4

CMF C4 H6 O3



CM 3

CRN 75-21-8

CMF C2 H4 O

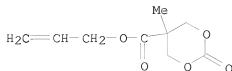


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 7 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN
RN 945841-58-7 REGISTRY
ED Entered STN: 30 Aug 2007
CN 1,3-Dioxane-5-carboxylic acid, 5-methyl-2-oxo-, 2-propen-1-yl ester,
polymer with (3S,6S)-3,6-dimethyl-1,4-dioxane-2,5-dione and
1,4-dioxane-2,5-dione (CA INDEX NAME)
FS STEREOSEARCH
MF (C9 H12 O5 . C6 H8 O4 . C4 H4 O4)x
CI PMS
PCT Polycarbonate, Polycarbonate formed, Polyester, Polyester formed,
Polyvinyl
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

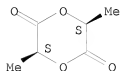
CRN 532424-75-2
CMF C9 H12 O5



CM 2

CRN 4511-42-6
CMF C6 H8 O4

Absolute stereochemistry.



CM 3

CRN 502-97-6
CMF C4 H4 O4



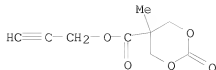
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 8 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN
RN 945841-53-2 REGISTRY
ED Entered STN: 30 Aug 2007
CN 1,3-Dioxane-5-carboxylic acid, 5-methyl-2-oxo-, 2-propyn-1-yl ester,
homopolymer (CA INDEX NAME)
MF (C9 H10 O5)x
CI PMS
PCT Polyacetylene, Polycarbonate, Polycarbonate formed
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1

CRN 945841-51-0
CMF C9 H10 O5



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 9 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN
RN 935850-08-1 REGISTRY
ED Entered STN: 25 May 2007
CN 2,4,8,10-Tetraoxaspiro[5.5]undecan-3-one, 9-phenyl-, polymer with
2-hydroxy-1,3,2-dioxaphosphorinane 2-oxide (CA INDEX NAME)
MF (C13 H14 O5 . C3 H7 O4 P)x
CI PMS
PCT Polycarbonate, Polycarbonate formed, Polyether
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 573713-81-2
CMF C13 H14 O5



CM 2

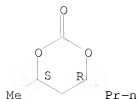
CRN 13507-10-3
CMF C3 H7 O4 P



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 10 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN
RN 918819-35-9 REGISTRY
ED Entered STN: 30 Jan 2007
CN 1,3-Dioxan-2-one, 4-methyl-6-propyl-, (4R,6S)-rel- (CA INDEX NAME)
FS STEREOSEARCH
MF C8 H14 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his full

(FILE 'HOME' ENTERED AT 17:47:27 ON 12 AUG 2008)

FILE 'REGISTRY' ENTERED AT 17:47:34 ON 12 AUG 2008

L1 STRUCTURE UPLOADED

L2 3 SEA SSS SAM L1

D L2

D L2 2-3

L3 0 SEA ABB=ON PLU=ON FILCE CAPLUS

FILE 'CAPLUS' ENTERED AT 17:48:45 ON 12 AUG 2008

S 119543-65-6/REG# /RN

FILE 'REGISTRY' ENTERED AT 17:49:35 ON 12 AUG 2008

L4 1 SEA ABB=ON PLU=ON 119543-65-6/RN

FILE 'CAPLUS' ENTERED AT 17:49:35 ON 12 AUG 2008

L5 6 SEA ABB=ON PLU=ON L4

D L5 1- IBIB

FILE 'CAPLUS' ENTERED AT 17:53:50 ON 12 AUG 2008

L6 2999 SEA ABB=ON PLU=ON CYCLIC CARBONATE

L7 7 SEA ABB=ON PLU=ON L6 (P) (SKIN OR HAIR OR NAIL OR TOPICAL OR DERMATOLOGICAL OR CUTICLE OR EYE MAKEUP OR EYELASHES OR MASCARA OR LIPSTICK) (P) COMPOSITION

D L7 IBIB 1-

D L7 IBIB KWIC 4

D L7 IBIB KWIC 5

FILE 'REGISTRY' ENTERED AT 18:00:35 ON 12 AUG 2008

L8 STRUCTURE UPLOADED

L9 50 SEA SSS SAM L8

FILE 'CAPLUS' ENTERED AT 18:01:01 ON 12 AUG 2008

L10 0 SEA ABB=ON PLU=ON L9 (P) (SKIN OR HAIR OR NAIL OR TOPICAL OR DERMATOLOGICAL OR CUTICLE OR EYE MAKEUP OR EYELASHES OR MASCARA OR LIPSTICK) (P) COMPOSITION

FILE 'REGISTRY' ENTERED AT 18:01:33 ON 12 AUG 2008

D L9 1-10

FILE 'CAPLUS' ENTERED AT 18:01:39 ON 12 AUG 2008

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 11 AUG 2008 HIGHEST RN 1040235-14-0

DICTIONARY FILE UPDATES: 11 AUG 2008 HIGHEST RN 1040235-14-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

FILE CAPLUS

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FILE COVERS 1907 - 12 Aug 2008 VOL 149 ISS 7

FILE LAST UPDATED: 11 Aug 2008 (20080811/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> log h

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.48 | 123.64 |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.00 | -1.60 |

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 18:02:18 ON 12 AUG 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSSFTA1615LXC

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 MAR 31 IFICDB, IFIPAT, and IFIUDB enhanced with new custom
IPC display formats
NEWS 3 MAR 31 CAS REGISTRY enhanced with additional experimental
spectra
NEWS 4 MAR 31 CA/CAPLUS and CASREACT patent number format for U.S.
applications updated
NEWS 5 MAR 31 LPCI now available as a replacement to LDPCI
NEWS 6 MAR 31 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 7 APR 04 STN AnaVist, Version 1, to be discontinued
NEWS 8 APR 15 WPIDS, WPINDEX, and WPIX enhanced with new
predefined hit display formats
NEWS 9 APR 28 EMBASE Controlled Term thesaurus enhanced
NEWS 10 APR 28 IMSRESEARCH reloaded with enhancements
NEWS 11 MAY 30 INPAFAMDB now available on STN for patent family
searching
NEWS 12 MAY 30 DGENE, PCTGEN, and USGENE enhanced with new homology
sequence search option
NEWS 13 JUN 06 EPFULL enhanced with 260,000 English abstracts
NEWS 14 JUN 06 KOREAPAT updated with 41,000 documents
NEWS 15 JUN 13 USPATFULL and USPAT2 updated with 11-character
patent numbers for U.S. applications
NEWS 16 JUN 19 CAS REGISTRY includes selected substances from
web-based collections
NEWS 17 JUN 25 CA/CAPLUS and USPAT databases updated with IPC
reclassification data
NEWS 18 JUN 30 AEROSPACE enhanced with more than 1 million U.S.
patent records
NEWS 19 JUN 30 EMBASE, EMBAL, and LEMBASE updated with additional
options to display authors and affiliated
organizations
NEWS 20 JUN 30 STN on the Web enhanced with new STN AnaVist
Assistant and BLAST plug-in
NEWS 21 JUN 30 STN AnaVist enhanced with database content from EPFULL
NEWS 22 JUL 28 CA/CAPLUS patent coverage enhanced
NEWS 23 JUL 28 EPFULL enhanced with additional legal status
information from the EPOline Register
NEWS 24 JUL 28 IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 25 JUL 28 STN Viewer performance improved
NEWS 26 AUG 01 INPADOCDB and INPAFAMDB coverage enhanced
NEWS 27 AUG 13 CA/CAPLUS enhanced with printed Chemical Abstracts
page images from 1967-1998
NEWS 28 AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 29 AUG 15 CAPLUS currency for Korean patents enhanced

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 11:28:17 ON 17 AUG 2008

=> le reg

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file reg

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.21 | 0.21 |

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 11:28:31 ON 17 AUG 2008

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STRUCTURE FILE UPDATES: 15 AUG 2008 HIGHEST RN 1041334-94-4

DICTIONARY FILE UPDATES: 15 AUG 2008 HIGHEST RN 1041334-94-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> s butylene carbonate/cn

L1 1 BUTYLENE CARBONATE/CN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN

RN 4437-85-8 REGISTRY

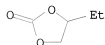
ED Entered STN: 16 Nov 1984

CN 1,3-Dioxolan-2-one, 4-ethyl- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Butanediol, cyclic carbonate (8CI)

CN Carbonic acid, cyclic ethylethylene ester (7CI, 8CI)
 CN Carbonic acid, ethylethylene ester (6CI)
 OTHER NAMES:
 CN 1,2-Butanediol carbonate
 CN 1,2-Butylene carbonate
 CN 2-Oxo-4-ethyl-1,3-dioxolane
 CN 4-Ethyl-1,3-dioxolan-2-one
 CN Butylene carbonate
 CN Jeffsol BC
 DR 126828-12-4, 127128-77-2
 MF C5 H8 O3
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,
 CSCHEM, DETHERM*, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PROMT, RTECS*,
 TOXCENTER, USPAT2, USPATFULL, USPATOLD
 (*File contains numerically searchable property data)
 Other Sources: NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

732 REFERENCES IN FILE CA (1907 TO DATE)
 7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 736 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```
=> s hexylene carbonate/cn
L2      0 HEXYLENE CARBONATE/CN

=> s cyclic monothiocarbonate/cn
L3      0 CYCLIC MONOTHIOCARBONATE/CN

=> s bicyclo-1,3,-dioxanae-2-thione
      811985 BICYCLO
      2329329 1,3
              0 DIOXANAE
      28053828 2
              114454 THIONE
L4      0 BICYCLO-1,3,-DIOXANAE-2-THIONE
              (BICYCLO(W)1,3(W)DIOXANAE(W)2(W)THIONE)

=> s bicyclo-1,3,-dioxanae-2-thione/cn
L5      0 BICYCLO-1,3,-DIOXANAE-2-THIONE/CN

=> e bicyclo-1,3,-dioxanae-2-thione/cn
E1      1 BICYCLO-(2.2.2)-OCTANE-1-CARBOXYLAMIDE/CN
E2      1 BICYCLO-(2.2.2)OCTANE-2-CARBOXYLAMIDE/CN
E3      0 --> BICYCLO-1,3,-DIOXANAE-2-THIONE/CN
E4      1 BICYCLO-PGEM/CN
E5      1 BICYCLOALTERNARENE 1/CN
E6      1 BICYCLOALTERNARENE 10/CN
E7      1 BICYCLOALTERNARENE 11/CN
E8      1 BICYCLOALTERNARENE 2/CN
E9      1 BICYCLOALTERNARENE 3/CN
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E10 1 BICYCLOALTERNARENE 4/CN
 E11 1 BICYCLOALTERNARENE 5/CN
 E12 1 BICYCLOALTERNARENE 6/CN

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=> e 5,5-(bicyclo[2.2.1]hetan-5,5-ylidene)-1,3-dioxane-2-thione/cn
E1 1 5,5,9A,13B-(1)PENTANYL(5)YLIDYNE-5H-CYCLOPROPA(E)TRIPHENYLEN
    E, 1,2,3,4,6,7,8,9,9A,10,11,12-DODECAHYDRO-, (4AR,5R,5AS,9AR
    ,9BS,13BR,14S)-REL-/CN
E2 1 5,5-(1,7-DIBUTYLHEPTAMETHYLENE)BIS(7,8-DIHYDRO-6-METHYL-1,3-
    DIOXOLO(4,5-G)ISOQUINOLINIUM IODIDE)/CN
E3 0 --> 5,5-(BICYCLO2.2.1HETAN-5,5-YLIDENE)-1,3-DIOXANE-2-THIONE/C
    N
E4 1 5,5-(ETHYLENEDIOXY)-10.BETA.,21-BIS(PHENYLSULFONYL)-DE-A-19-
    NORPREGN-9(11)-EN-20-ONE/CN
E5 1 5,5-(ETHYLENEDIOXY)-10.BETA.-(METHYLSULFONYL)DES-A-ESTR-9(11
    )-EN-17-ONE/CN
E6 1 5,5-(ETHYLENEDIOXY)-10.BETA.-(PHENYLSULFONYL)DES-A-ESTR-9(11
    )-EN-17-ONE/CN
E7 1 5,5-(ETHYLENEDIOXY)-17-HYDROXY-10.BETA.-(METHYLSULFONYL)DE-A
    -ESTR-9(11)-EN-17.BETA.-CARBONITRILE/CN
E8 1 5,5-(ETHYLENEDIOXY)-3,3-DIPHENYL-3,5-SECO-A-NORCHOLEST-2-ENE
    /CN
E9 1 5,5-(ETHYLENEDIOXY)-3,3-DIPHENYL-3,5-SECO-A-NORCHOLESTAN-3-O
    L/CN
E10 1 5,5-(ETHYLENEDIOXY)-3,5-SECO-A-DINORCHOLESTAN-2-OIC ACID/CN
E11 1 5,5-(ETHYLENEDIOXY)-4,5-SECO-19-NORANDROSTANE-3,17.BETA.-DIO
    L/CN
E12 1 5,5-(ETHYLENEDIOXY)-4,5-SECO-19-NORANDROSTANE-3,17.BETA.-DIO
    L DIACETATE/CN
```

```
=> file caplsu
'CAPLSU' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'REGISTRY'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available. If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.
```

```
=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 59.39 59.60
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FILE 'CAPLUS' ENTERED AT 11:42:56 ON 17 AUG 2008
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FILE COVERS 1907 - 17 Aug 2008 VOL 149 ISS 8
 FILE LAST UPDATED: 15 Aug 2008 (20080815/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

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=> s bicyclo (p) cyclic carbonate

24052 BICYCLO
341169 CYCLIC
355 CYCLICS
341309 CYCLIC
(CYCLIC OR CYCLICS)
331251 CARBONATE
72046 CARBONATES
366382 CARBONATE
(CARBONATE OR CARBONATES)
3002 CYCLIC CARBONATE
(CYCLIC(W)CARBONATE)
L6 18 BICYCLO (P) CYCLIC CARBONATE

=> s l6 and (cosmetic or topical or makeup or eyelash or mascara or eye care or nail or hair or facial or skin dermatological or cuticle or lipstick or lip care or eye liner)

67626 COSMETIC
70465 COSMETICS
91927 COSMETIC
(COSMETIC OR COSMETICS)
51388 TOPICAL
41 TOPICALS
51407 TOPICAL
(TOPICAL OR TOPICALS)
6776 MAKEUP
2439 MAKEUPS
7928 MAKEUP
(MAKEUP OR MAKEUPS)
280 EYELASH
316 EYELASHES
502 EYELASH
(EYELASH OR EYELASHES)
636 MASCARA
1320 MASCARAS
1468 MASCARA
(MASCARA OR MASCARAS)
130047 EYE
28229 EYES
140717 EYE
(EYE OR EYES)
67286 CARE
222 CARES
67477 CARE
(CARE OR CARES)
62 EYE CARE
(EYE(W)CARE)
8335 NAIL
3468 NAILS
10069 NAIL
(NAIL OR NAILS)
70152 HAIR
5686 HAIRS
72710 HAIR

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        (HAIR OR HAIRS)
11340 FACIAL
    3 FACIALS
11341 FACIAL
    (FACIAL OR FACIALS)
284918 SKIN
11197 SKINS
291186 SKIN
    (SKIN OR SKINS)
2861 DERMATOLOGICAL
    13 DERMATOLOGICALS
2872 DERMATOLOGICAL
    (DERMATOLOGICAL OR DERMATOLOGICALS)
6819 DERMATOL
8276 DERMATOLOGICAL
    (DERMATOLOGICAL OR DERMATOL)
    57 SKIN DERMATOLOGICAL
        (SKIN(W)DERMATOLOGICAL)
9028 CUTICLE
1290 CUTICLES
9402 CUTICLE
    (CUTICLE OR CUTICLES)
1709 LIPSTICK
3125 LIPSTICKS
3631 LIPSTICK
    (LIPSTICK OR LIPSTICKS)
8985 LIP
2444 LIPS
10725 LIP
    (LIP OR LIPS)
67286 CARE
    222 CARES
67477 CARE
    (CARE OR CARES)
    55 LIP CARE
        (LIP(W)CARE)
130047 EYE
28229 EYES
140717 EYE
    (EYE OR EYES)
19926 LINER
9299 LINERS
24422 LINER
    (LINER OR LINERS)
729 EYE LINER
    (EYE(W)LINER)
L7      0 L6 AND (COSMETIC OR TOPICAL OR MAKEUP OR EYELASH OR MASCARA OR
        EYE CARE OR NAIL OR HAIR OR FACIAL OR SKIN DERMATOLOGICAL OR
        CUTICLE OR LIPSTICK OR LIP CARE OR EYE LINER)

=> s 16 and @ad<20021107
'20021107' NOT A VALID FIELD CODE
    0 @AD<20021107
L8      0 L6 AND @AD<20021107

=> s 16 and ad<20021107
4446429 AD<20021107
    (AD<20021107)
L9      4 L6 AND AD<20021107

=> d 19 ibib kwic

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L9 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:335135 CAPLUS
DOCUMENT NUMBER: 129:60585
ORIGINAL REFERENCE NO.: 129:12441a,12444a
TITLE: Resist composition, resist pattern formation, and
production of semiconductor device
INVENTOR(S): Nozaki, Koji; Yano, Akira; Watanabe, Keiji; Namiki,
Takahisa; Igarashi, Yoshikazu
PATENT ASSIGNEE(S): Fujitsu Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|---|------|----------|------------------|--------------|
| | JP 10133377 | A | 19980522 | JP 1996-288524 | 19961030 <-- |
| | JP 3297324 | B2 | 20020702 | | |
| | US 5910392 | A | 19990608 | US 1997-882734 | 19970626 <-- |
| | TW 434452 | B | 20010516 | TW 1997-86110419 | 19970722 <-- |
| PRIORITY APPLN. INFO.: | JP 1996-288524 | | | A | 19961030 |
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
| PI | JP 10133377 | A | 19980522 | JP 1996-288524 | 19961030 <-- |
| | JP 3297324 | B2 | 20020702 | | |
| | US 5910392 | A | 19990608 | US 1997-882734 | 19970626 <-- |
| | TW 434452 | B | 20010516 | TW 1997-86110419 | 19970722 <-- |
| IT | 208727-84-8P, Glycidyl methacrylate-4-vinylphenol copolymer carbonate 208727-85-9P, Glycidyl methacrylate-tetrahydropyranyl methacrylate copolymer carbonate 208727-86-0P, Glycidyl methacrylate-2-methyl-2- adamantyl methacrylate copolymer carbonate 208727-87-1P, Glycidyl methacrylate-3-oxocyclohexyl methacrylate copolymer carbonate 208727-88-2P, Glycidyl methacrylate-mevalonic lactone methacrylate copolymer carbonate 208727-89-3P, 2-Cyclohexenyl methacrylate-mevalonic lactone methacrylate copolymer carbonate 208727-90-6P, Glycidyl methacrylate-2-methyl-2-bicyclo [2,2,2]octane methacrylate copolymer carbonate RL: PNU (Preparation, unclassified); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (resist compn. contg. polymer having cyclic carbonate group useful for manuf. of semiconductor device) | | | | |

=> d 19 ibib kwic 3-

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L9 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1963:462122 CAPLUS
DOCUMENT NUMBER: 59:62122
ORIGINAL REFERENCE NO.: 59:11422g-h
TITLE: 3-Oxatricyclo[3.2.1.02,4]octane-6,7-diol
INVENTOR(S): Tinsley, Samuel W.
PATENT ASSIGNEE(S): Union Carbide Corp.
SOURCE: 2 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------------|------|----------|-----------------|--------------|
| | US 3071600 | | 19630101 | US 1960-32522 | 19600531 <-- |
| PRIORITY APPLN. INFO.: | | | | US | 19600531 |
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
| PI | US 3071600 | | 19630101 | US 1960-32522 | 19600531 <-- |

AB The title compd. represented by I was prepd. from bicyclo [2.2.1]hept-2-ene-5,6-diol (II), obtained by hydrolysis from its cyclic carbonate. Thus, to a soln. of 25 g. II in 20 g. EtOAc was added dropwise, during 15 min., 75 g. . . .

L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on SIN

ACCESSION NUMBER: 1959:39846 CAPLUS
DOCUMENT NUMBER: 53:39846
ORIGINAL REFERENCE NO.: 53:7127h-i,7128a-e
TITLE: Dihydroanthracenedicarboxaldehydes
INVENTOR(S): Patton, Tad L.
PATENT ASSIGNEE(S): Monsanto Chemical Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|--------------|
| | US 2857434 | | 19581021 | US 1956-613827 | 19561004 <-- |
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
| PI | US 2857434 | | 19581021 | US 1956-613827 | 19561004 <-- |

AB . . . is prepd. by refluxing 45 hrs. 43 g. I with 89 g. anthracene in 250 ml. .omicron.-Cl2C6H4. On cooling, 9,10-dihydro-9,10-ethanoanthracene-11,12-diol cyclic carbonate separates, m. 253-4.degree.. To 10 g. of this adduct is added 1.5 g. NaOH in 200 ml. 1:1 (by vol.). . . 18-21 hrs. at 180.degree. in a sealed 300 ml. stainless steel bomb. The purified adduct formed in 60% yield is bicyclo[2.2.1]hex-5-ene-2,3-diol cyclic carbonate, m. 115-17.degree.. The adduct (15.4 g) is refluxed 1 hr. with 2 g. NaOH in 50 ml. H2O, then evapd. to dryness. The residue is taken up in Et2O, dried, and the Et2O evapd. to yield 90% bicyclo [2.2.1]hept-5-ene-2,3-diol, m. 176-8.degree.. Then 5 g. of the diol is dissolved in 100 ml. EtOH contg. 1.0 g. Raney Ni and . . . and 1000 lb./sq. in. Evapn. of the filtrate in vacuo and recrystn. of the residue from hexane yields 5 g. bicyclo[2.2.1]heptane-2,3-diol, m. 210-11.degree.. The reduced diol (12.8 g.) is then subjected to Pb(OAc)4 as before, with stirring 3 hrs. after adn. . . . with Pb(OAc)4 to adipaldehyde, b3, 68-70.degree.. The adduct prepd. by refluxing I with hexachloropentadiene in .omicron.-Cl2C6H4 4 hrs. is 1,4,5,6,7,7-hexachlorobicyclo[2.2.1]hept-5-ene-2,3-diol cyclic carbonate, m. 232-3.degree.. A mixt of 147.6 g. of this adduct and 10 ml. 28% HCl in 1000 ml. 2:3 H2O-EtOH. . . .

=> d 19 ibib kwic 2

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on SIN

ACCESSION NUMBER: 1997:710934 CAPLUS
DOCUMENT NUMBER: 127:346815
ORIGINAL REFERENCE NO.: 127:68057a,68060a
TITLE: Norbornane cyclic carbonate and heat-resistant polymers thereof
INVENTOR(S): Murayama, Mitsumoto; Mita, Fumio; Endo, Takeshi

PATENT ASSIGNEE(S): Sumitomo Bakelite Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|------|----------------------|-----------------|--------------|
| | JP 09278874 | A | 19971028 | JP 1996-92699 | 19960415 <-- |
| PRIORITY APPLN. INFO.: | | | | JP 1996-92699 | 19960415 |
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
| | JP 09278874 | A | 19971028 | JP 1996-92699 | 19960415 <-- |
| PI | 6707-12-6P, 5,5-Norbornenedimethanol | | 15449-66-8P, Bicyclo | | |
| IT | (2,2,1)heptane-2,2-dimethanol | | 198197-09-0P | | |
| | RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent) | | | | |
| | (norbornane cyclic carbonate and heat-resistant polymers thereof) | | | | |

=> s butylene carbonate
 35607 BUTYLENE
 1192 BUTYLENES
 36411 BUTYLENE
 (BUTYLENE OR BUTYLENES)
 331251 CARBONATE
 72046 CARBONATES
 366382 CARBONATE
 (CARBONATE OR CARBONATES)
 L10 736 BUTYLENE CARBONATE
 (BUTYLENE(W)CARBONATE)

=> s butylene carbonate (p) cyclic
 35607 BUTYLENE
 1192 BUTYLENES
 36411 BUTYLENE
 (BUTYLENE OR BUTYLENES)
 331251 CARBONATE
 72046 CARBONATES
 366382 CARBONATE
 (CARBONATE OR CARBONATES)
 736 BUTYLENE CARBONATE
 (BUTYLENE(W)CARBONATE)
 341169 CYCLIC
 355 CYCLICS
 341309 CYCLIC
 (CYCLIC OR CYCLICS)
 L11 79 BUTYLENE CARBONATE (P) CYCLIC

=> s butylene (5a) carbonate (5a) cyclic
 35607 BUTYLENE
 1192 BUTYLENES
 36411 BUTYLENE
 (BUTYLENE OR BUTYLENES)
 331251 CARBONATE
 72046 CARBONATES
 366382 CARBONATE
 (CARBONATE OR CARBONATES)
 341169 CYCLIC

355 CYCLICS
 341309 CYCLIC
 (CYCLIC OR CYCLICS)
 L12 44 BUTYLENE (5A) CARBONATE (5A) CYCLIC

 => s l12 and (cosmetic or topical or makeup or eyelash or mascara or eye care or
 nail or hair or facial or skin dermatological or cuticle or lipstick or lip care or
 eye liner)
 67626 COSMETIC
 70465 COSMETICS
 91927 COSMETIC
 (COSMETIC OR COSMETICS)
 51388 TOPICAL
 41 TOPICALS
 51407 TOPICAL
 (TOPICAL OR TOPICALS)
 6776 MAKEUP
 2439 MAKEUPS
 7928 MAKEUP
 (MAKEUP OR MAKEUPS)
 280 EYELASH
 316 EYELASHES
 502 EYELASH
 (EYELASH OR EYELASHES)
 636 MASCARA
 1320 MASCARAS
 1468 MASCARA
 (MASCARA OR MASCARAS)
 130047 EYE
 28229 EYES
 140717 EYE
 (EYE OR EYES)
 67286 CARE
 222 CARES
 67477 CARE
 (CARE OR CARES)
 62 EYE CARE
 (EYE(W)CARE)
 8335 NAIL
 3468 NAILS
 10069 NAIL
 (NAIL OR NAILS)
 70152 HAIR
 5686 HAIRS
 72710 HAIR
 (HAIR OR HAIRS)
 11340 FACIAL
 3 FACIALS
 11341 FACIAL
 (FACIAL OR FACIALS)
 284918 SKIN
 11197 SKINS
 291186 SKIN
 (SKIN OR SKINS)
 2861 DERMATOLOGICAL
 13 DERMATOLOGICALS
 2872 DERMATOLOGICAL
 (DERMATOLOGICAL OR DERMATOLOGICALS)
 6819 DERMATOL
 8276 DERMATOLOGICAL
 (DERMATOLOGICAL OR DERMATOL)
 57 SKIN DERMATOLOGICAL

(SKIN(W) DERMATOLOGICAL)

9028 CUTICLE
 1290 CUTICLES
 9402 CUTICLE
 (CUTICLE OR CUTICLES)
 1709 LIPSTICK
 3125 LIPSTICKS
 3631 LIPSTICK
 (LIPSTICK OR LIPSTICKS)
 8985 LIP
 2444 LIPS
 10725 LIP
 (LIP OR LIPS)
 67286 CARE
 222 CARES
 67477 CARE
 (CARE OR CARES)
 55 LIP CARE
 (LIP(W) CARE)
 130047 EYE
 28229 EYES
 140717 EYE
 (EYE OR EYES)
 19926 LINER
 9299 LINERS
 24422 LINER
 (LINER OR LINERS)
 729 EYE LINER
 (EYE(W) LINER)

L13 1 L12 AND (COSMETIC OR TOPICAL OR MAKEUP OR EYELASH OR MASCARA OR
 EYE CARE OR NAIL OR HAIR OR FACIAL OR SKIN DERMATOLOGICAL OR
 CUTICLE OR LIPSTICK OR LIP CARE OR EYE LINER)

=> d 113

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2007:167202 CAPLUS
 DN 146:212276
 TI Use of one or more cyclic 1,2-alkylene carbonates as stabilizers and
 activity enhancers in preservatives for cosmetics
 IN Straetmans, Udo; Jaenichen, Jan; Petersen, Wilfried; Kinder, Michael
 PA Dr. Straetmans Chemische Produkte G.m.b.H., Germany
 SO Eur. Pat. Appl., 33pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------|---|--|----------|-----------------|----------|
| PI | EP 1752193 | A1 | 20070214 | EP 2005-17684 | 20050813 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU | | | | |
| PRAI | EP 2005-17684 | | 20050813 | | |
| RE.CNT | 6 | THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | |

=> s (pentylene or hexylene or octylene or heptylene or butylene) (5a) carbonate
 (5a) cyclic
 468 PENTYLENE
 6 PENTYLENES

```

473 PENTYLENE
    (PENTYLENE OR PENTYLENES)
2360 HEXYLENE
  24 HEXYLENES
2379 HEXYLENE
    (HEXYLENE OR HEXYLENES)
523 OCTYLENE
  15 OCTYLENES
536 OCTYLENE
    (OCTYLENE OR OCTYLENES)
102 HEPTYLENE
  7 HEPTYLENES
109 HEPTYLENE
    (HEPTYLENE OR HEPTYLENES)
35607 BUTYLENE
1192 BUTYLENES
36411 BUTYLENE
    (BUTYLENE OR BUTYLENES)
331251 CARBONATE
72046 CARBONATES
366382 CARBONATE
    (CARBONATE OR CARBONATES)
341169 CYCLIC
  355 CYCLICS
341309 CYCLIC
    (CYCLIC OR CYCLICS)
L14      46 (PENTYLENE OR HEXYLENE OR OCTYLENE OR HEPTYLENE OR BUTYLENE)
        (5A) CARBONATE (5A) CYCLIC

=> s (pentylene or hexylene or octylene or heptylene) (5a) carbonate (5a) cyclic
468 PENTYLENE
  6 PENTYLENES
473 PENTYLENE
    (PENTYLENE OR PENTYLENES)
2360 HEXYLENE
  24 HEXYLENES
2379 HEXYLENE
    (HEXYLENE OR HEXYLENES)
523 OCTYLENE
  15 OCTYLENES
536 OCTYLENE
    (OCTYLENE OR OCTYLENES)
102 HEPTYLENE
  7 HEPTYLENES
109 HEPTYLENE
    (HEPTYLENE OR HEPTYLENES)
331251 CARBONATE
72046 CARBONATES
366382 CARBONATE
    (CARBONATE OR CARBONATES)
341169 CYCLIC
  355 CYCLICS
341309 CYCLIC
    (CYCLIC OR CYCLICS)
L15      4 (PENTYLENE OR HEXYLENE OR OCTYLENE OR HEPTYLENE) (5A) CARBONATE
        (5A) CYCLIC

```

```

=> d l15 ibib kwic 1-
YOU HAVE REQUESTED DATA FROM 4 ANSWERS - CONTINUE? Y/(N):y

```


ACCESSION NUMBER: 2007:167202 CAPLUS
 DOCUMENT NUMBER: 146:212276
 TITLE: Use of one or more cyclic 1,2-alkylene carbonates as stabilizers and activity enhancers in preservatives for cosmetics
 INVENTOR(S): Straetmans, Udo; Jaenichen, Jan; Petersen, Wilfried; Kinder, Michael
 PATENT ASSIGNEE(S): Dr. Straetmans Chemische Produkte G.m.b.H., Germany
 SOURCE: Eur. Pat. Appl., 33pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---------------------|-------------------------|-----------------|------------------------|
| EP 1752193 | A1 | 20070214 | EP 2005-17684 | 20050813 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU | | | | |
| PRIORITY APPLN. INFO.: | | | EP 2005-17684 | 20050813 |
| REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | | |
| IT 96-49-1D, | 1,3-Dioxolan-2-one, | alkyl derivs. | 4437-85-8, | 1,2-Butylene carbonate |
| 82947-28-2 | 89489-56-5, | 1,2-Pentylene carbonate | | |
| 145779-35-7, | Rokonsal BS | 866395-86-0, | Optiphen | 896712-00-8, |
| liquid | 923590-20-9, | Dermosoft LP | | |
| RL: BSU (Biological study, unclassified); COS (Cosmetic use); BIOL (Biological study); USES (Uses) | | | | |
| (use of one or more cyclic 1,2-alkylene carbonates as stabilizers and activity enhancers in preservatives for cosmetics) | | | | |

L15 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:787191 CAPLUS
 DOCUMENT NUMBER: 145:293064
 TITLE: Method for synthesizing cyclic carbonate
 INVENTOR(S): Zhang, Suobo; Xie, Haibo
 PATENT ASSIGNEE(S): Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Peop. Rep. China
 SOURCE: Faming Zhuanli Shengqing Gongkai Shuomingshu, 10pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---------------------------|-------------|-----------------------|----------|
| CN 1696123 | A | 20051116 | CN 2005-10016850 | 20050603 |
| PRIORITY APPLN. INFO.: | | | CN 2005-10016850 | 20050603 |
| OTHER SOURCE(S): CASREACT 145:293064; MARPAT 145:293064 | | | | |
| IT 96-49-1P, | Ethylene carbonate | 108-32-7P, | Propylene carbonate | |
| 2463-45-8P, | Epichlorohydrin carbonate | 4389-22-4P, | Cyclohexene carbonate | |
| 4427-92-3P, | Phenylethylene carbonate | 4437-85-8P, | Butylene carbonate | |
| 66675-43-2P, | 1,2-Hexylene carbonate | | | |
| RL: IMF (Industrial manufacture); PREP (Preparation) | | | | |
| (synthesis of cyclic carbonate by reacting epoxy compd. and carbon dioxide) | | | | |

L15 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:106120 CAPLUS
DOCUMENT NUMBER: 140:321265
TITLE: Co(III) porphyrin/DMAP: an efficient catalyst system for the synthesis of cyclic carbonates from CO₂ and epoxides
AUTHOR(S): Paddock, Robert L.; Hiyama, Yaeko; McKay, Jonathan M.; Nguyen, SonBinh T.
CORPORATE SOURCE: Department of Chemistry and Institute for Environmental Catalysis, Northwestern University, Evanston, IL, 60208-3113, USA
SOURCE: Tetrahedron Letters (2004), 45(9), 2023-2026
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 140:321265
REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT 108-32-7P, 4-Methyl-1,3-dioxolan-2-one 2463-45-8P, 4-Chloromethyl-1,3-dioxolan-2-one 4427-92-3P, 4-Phenyl-1,3-dioxolan-2-one 4427-96-7P, 4-Vinyl-1,3-dioxolan-2-one 4437-69-8P, 4,4-Dimethyl-1,3-dioxolan-2-one 66675-43-2P, 1,2-Hexylene carbonate 161007-10-9P, 4-Benzyl-1,3-dioxolan-2-one
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of cyclic carbonates via DMAP-mediated cobalt-porphyrin-catalyzed heterocyclization of epoxides with carbon dioxide)

L15 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:564800 CAPLUS
DOCUMENT NUMBER: 139:364852
TITLE: A novel and effective Ni complex catalyst system for the coupling reactions of carbon dioxide and epoxides
AUTHOR(S): Li, Fuwei; Xia, Chungu; Xu, Liwen; Sun, Wei; Chen, Gexin
CORPORATE SOURCE: Lanzhou Institute of Chemical Physics, State Key Laboratory for Oxo Synthesis and Selective Oxidation, Chinese Academy of Sciences, Lanzhou, 730003, Peop. Rep. China
SOURCE: Chemical Communications (Cambridge, United Kingdom) (2003), (16), 2042-2043
CODEN: CHCOFS; ISSN: 1359-7345
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 139:364852
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT 108-32-7P, Propylene carbonate 2463-45-8P, 4-Chloromethyl-1,3-dioxolan-2-one 4389-22-4P, Cyclohexene carbonate 4427-92-3P, 4-Phenyl-1,3-dioxolan-2-one 4427-96-7P, 4-Vinyl-1,3-dioxolan-2-one 66675-43-2P, 1,2-Hexylene carbonate
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of cyclic carbonates via nickel-catalyzed heterocyclization of epoxides with carbon dioxide)

=> d his full

(FILE 'HOME' ENTERED AT 11:28:17 ON 17 AUG 2008)

FILE 'REGISTRY' ENTERED AT 11:28:31 ON 17 AUG 2008

L1 1 SEA ABB=ON PLU=ON BUTYLENE CARBONATE/CN
 D L1
 L2 0 SEA ABB=ON PLU=ON HEXYLENE CARBONATE/CN
 L3 0 SEA ABB=ON PLU=ON CYCLIC MONOTHIACARBONATE/CN
 L4 0 SEA ABB=ON PLU=ON BICYCLO-1,3,-DIOXANAE-2-THIONE
 L5 0 SEA ABB=ON PLU=ON BICYCLO-1,3,-DIOXANAE-2-THIONE/CN
 E BICYCLO-1,3,-DIOXANAE-2-THIONE/CN
 E 5,5-(BICYCLO[2.2.1]HETAN-5,5-YLIDENE)-1,3-DIOXANE-2-THIONE/CN

 FILE 'CAPLUS' ENTERED AT 11:42:56 ON 17 AUG 2008
 L6 18 SEA ABB=ON PLU=ON BICYCLO (P) CYCLIC CARBONATE
 L7 0 SEA ABB=ON PLU=ON L6 AND (COSMETIC OR TOPICAL OR MAKEUP OR
 EYELASH OR MASCARA OR EYE CARE OR NAIL OR HAIR OR FACIAL OR
 SKIN DERMATOLOGICAL OR CUTICLE OR LIPSTICK OR LIP CARE OR EYE
 LINER)
 L8 0 SEA ABB=ON PLU=ON L6 AND @AD<20021107
 L9 4 SEA ABB=ON PLU=ON L6 AND AD<20021107
 D L9 IBIB KWIC
 D L9 IBIB KWIC 3-
 D L9 IBIB KWIC 2
 L10 736 SEA ABB=ON PLU=ON BUTYLENE CARBONATE
 L11 79 SEA ABB=ON PLU=ON BUTYLENE CARBONATE (P) CYCLIC
 L12 44 SEA ABB=ON PLU=ON BUTYLENE (5A) CARBONATE (5A) CYCLIC
 L13 1 SEA ABB=ON PLU=ON L12 AND (COSMETIC OR TOPICAL OR MAKEUP OR
 EYELASH OR MASCARA OR EYE CARE OR NAIL OR HAIR OR FACIAL OR
 SKIN DERMATOLOGICAL OR CUTICLE OR LIPSTICK OR LIP CARE OR EYE
 LINER)
 D L13
 L14 46 SEA ABB=ON PLU=ON (PENTYLENE OR HEXYLENE OR OCTYLENE OR
 HEPTYLENE OR BUTYLENE) (5A) CARBONATE (5A) CYCLIC
 L15 4 SEA ABB=ON PLU=ON (PENTYLENE OR HEXYLENE OR OCTYLENE OR
 HEPTYLENE) (5A) CARBONATE (5A) CYCLIC
 D L15 IBIB KWIC 1-

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 AUG 2008 HIGHEST RN 1041334-94-4
 DICTIONARY FILE UPDATES: 15 AUG 2008 HIGHEST RN 1041334-94-4

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<http://www.cas.org/support/stngen/stdoc/properties.html>

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FILE COVERS 1907 - 17 Aug 2008 VOL 149 ISS 8
FILE LAST UPDATED: 15 Aug 2008 (20080815/ED)

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<http://www.cas.org/legal/infopolicy.html>

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COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 151.53 | 211.13 |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| -1.60 | -1.60 |

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STN INTERNATIONAL SESSION SUSPENDED AT 11:50:05 ON 17 AUG 2008